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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=8; day=26; hr=13; min=58; sec=29; ms=451;]

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Application No: 10581468 Version No: 2.0

Input Set:**Output Set:**

Started: 2009-08-11 19:50:47.460
Finished: 2009-08-11 19:50:50.779
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 319 ms
Total Warnings: 56
Total Errors: 0
No. of SeqIDs Defined: 79
Actual SeqID Count: 79

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23)
W 213	Artificial or Unknown found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
W 213	Artificial or Unknown found in <213> in SEQ ID (26)
W 213	Artificial or Unknown found in <213> in SEQ ID (27)
W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)

Input Set:

Output Set:

Started: 2009-08-11 19:50:47.460
Finished: 2009-08-11 19:50:50.779
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 319 ms
Total Warnings: 56
Total Errors: 0
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Actual SeqID Count: 79

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (31)
W 213	Artificial or Unknown found in <213> in SEQ ID (32)
W 213	Artificial or Unknown found in <213> in SEQ ID (33)
W 213	Artificial or Unknown found in <213> in SEQ ID (34)
W 213	Artificial or Unknown found in <213> in SEQ ID (35)
W 213	Artificial or Unknown found in <213> in SEQ ID (36)
W 213	Artificial or Unknown found in <213> in SEQ ID (37)
W 213	Artificial or Unknown found in <213> in SEQ ID (38)
W 213	Artificial or Unknown found in <213> in SEQ ID (39)
W 213	Artificial or Unknown found in <213> in SEQ ID (40) This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (41)
W 402	Undefined organism found in <213> in SEQ ID (42)
W 402	Undefined organism found in <213> in SEQ ID (43)
W 402	Undefined organism found in <213> in SEQ ID (44)

SEQUENCE LISTING

<110> BALASA, BALAJI
 TSURUSHITA, NAOYA
 LANDOLFI, NICOLAS

<120> TREATMENT OF INFLAMMATORY BOWEL DISEASES WITH ANTI-IP-10
 ANTIBODIES

<130> 116 US PC02

<140> 10581468

<141> 2009-08-11

<150> PCT/US2004/014507

<151> 2004-05-07

<150> 60/527,882

<151> 2003-12-04

<150> 60/497,474

<151> 2003-08-21

<150> 60/469,299

<151> 2003-05-09

<160> 79

<170> PatentIn version 3.5

<210> 1

<211> 98

<212> PRT

<213> Homo sapiens

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Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
 20 25 30

Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
 35 40 45

Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
 50 55 60

Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
 65 70 75 80

Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Arg Ser Lys Arg
85 90 95

Ser Pro

<210> 2
<211> 98
<212> PRT
<213> Homo sapiens

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Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu
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Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys
20 25 30

Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu
35 40 45

Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala
50 55 60

Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys
65 70 75 80

Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Arg Ser Lys Arg
85 90 95

Ser Pro

<210> 3
<211> 119
<212> PRT
<213> Mus sp.

<400> 3
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1 5 10 15

Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30

Ser Met His Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met

35

40

45

Gly Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala Asp Asp Phe
 50 55 60

Lys Gly Arg Phe Ala Phe Ser Leu Glu Thr Ser Ala Ser Thr Ala Tyr
 65 70 75 80

Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Thr Ala Thr Tyr Phe Cys
 85 90 95

Ala Arg Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val Trp Gly Ala Gly
 100 105 110

Thr Thr Val Thr Val Ser Ser
 115

<210> 4

<211> 107

<212> PRT

<213> Mus sp.

<400> 4

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 1 5 10 15

Gly Lys Val Thr Ile Thr Cys Lys Ala Asp Gln Asp Ile Asn Lys Tyr
 20 25 30

Ile Ala Trp Tyr Gln His Lys Pro Gly Arg Gly Pro Arg Leu Leu Leu
 35 40 45

His His Thr Ser Thr Leu Gln Pro Gly Ile Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Arg Asp Tyr Ser Phe Ser Ile Ser Asn Leu Glu Pro
 65 70 75 80

Ala Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Ser Leu Leu Phe
 85 90 95

Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 5
<211> 5
<212> PRT
<213> Mus sp.

<400> 5
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<210> 6
<211> 17
<212> PRT
<213> Mus sp.

<400> 6
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1 5 10 15

Gly

<210> 7
<211> 10
<212> PRT
<213> Mus sp.

<400> 7
Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val
1 5 10

<210> 8
<211> 11
<212> PRT
<213> Mus sp.

<400> 8
Lys Ala Asp Gln Asp Ile Asn Lys Tyr Ile Ala
1 5 10

<210> 9
<211> 7
<212> PRT
<213> Mus sp.

<400> 9
His Thr Ser Thr Leu Gln Pro
1 5

<210> 10
<211> 9
<212> PRT

<213> Mus sp.

<400> 10

Leu Gln Tyr Asp Ser Leu Leu Phe Thr

1 5

<210> 11

<211> 414

<212> DNA

<213> Mus sp.

<400> 11

atggccttggg tgtggacctt gctattcctg atggcagctg cccaaagtat ccaagcacag 60

atccagttgg tgcagtctgg acctgagctg aagaagcctg gagagacagt caagatctcc 120

tgcaaggctt ctgggttatac cttcacagac tattcaatgc actgggtgaa gcaggctcca 180

ggaaagggtt taaagtggat gggctggata aacctgaga ttggtgagcc aacatatgca 240

gatgacttca agggacgggtt tgccttctct ttggaaacct ctgccagcac tgcctatttg 300

cagatcaaca acctcaaaaa tgaggacacg gctacatatt tctgtgctag aaactatgat 360

tacgacgcgt acttcgatgt ctggggcgca gggaccacgg tcaccgtctc ctca 414

<210> 12

<211> 381

<212> DNA

<213> Mus sp.

<400> 12

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gacatccaga tgacacagtc tccatcctca ctgtctgcat ctctgggagg caaagtcacc 120

atcacttgca aggcagacca agacattaac aagtatatag cttggtacca acacaagcct 180

ggaagaggtc ctaggctgct cctacatcac acatctacat tacagccagg catcccatca 240

aggttcagtg gaagtgggtc tgggagagat tattccttca gcatcagcaa cctggagcct 300

gcagatattg caacttatta ttgtctacag tatgatagtc ttctattcac gttcggctcg 360

gggacaaagt tggaaataaa a 381

<210> 13

<211> 119

<212> PRT

<213> Homo sapiens

<400> 13

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

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Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Asp Tyr
20 25 30

Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
35 40 45

Gly Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala Asp Asp Phe
50 55 60

Lys Gly Arg Phe Thr Phe Thr Leu Asp Thr Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val Trp Gly Gln Gly
100 105 110

Thr Thr Val Thr Val Ser Ser
115

<210> 14

<211> 87

<212> PRT

<213> Homo sapiens

<400> 14

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
1 5 10 15

Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe Thr Trp Val
20 25 30

Gln Gln Ala Pro Gly Lys Gly Leu Glu Trp Met Gly Arg Val Thr Ile
35 40 45

Thr Ala Asp Thr Ser Thr Asp Thr Ala Tyr Met Glu Leu Ser Ser Leu
50 55 60

Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Thr Trp Gly Gln Gly
65 70 75 80

Thr Thr Val Thr Val Ser Ser

<210> 15

<211> 107

<212> PRT

<213> Homo sapiens

<400> 15

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Lys Ala Asp Gln Asp Ile Asn Lys Tyr
 20 25 30

Ile Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Leu
 35 40 45

His His Thr Ser Thr Leu Gln Pro Gly Ile Pro Ser Arg Phe Ser Gly
 50 55 60

Ser Gly Ser Gly Arg Asp Tyr Thr Phe Thr Ile Ser Ser Leu Gln Pro
 65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Ser Leu Leu Phe
 85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
 100 105

<210> 16

<211> 80

<212> PRT

<213> Homo sapiens

<400> 16

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
 1 5 10 15

Asp Arg Val Thr Ile Thr Cys Trp Tyr Gln Gln Lys Pro Gly Lys Ala
 20 25 30

Pro Lys Leu Leu Ile Tyr Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
 35 40 45

Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp
 50 55 60

Ile Ala Thr Tyr Tyr Cys Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
65 70 75 80

<210> 17
<211> 412
<212> DNA
<213> Homo sapiens

<400> 17
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gtgctcagtg tgacatccag atgacacagt ctccatcctc actgtctgca tctgtgggag 120
acagagtcac catcacttgc aaggcagacc aagacattaa caagtatata gcttgggtacc 180
aacagaagcc tggaagggt cctaagctgc tcctacatca cacatctaca ttacagccag 240
gcatcccatc aagggttcagt ggaagtgggt ctggaagaga ttataccttc accatcagca 300
gcctgcagcc tgaagatatt gcaacttatt attgtctaca gtatgatagt cttctattca 360
cgttcggcca ggggacaaag ttggaaataa aacgtaagta cttttttcta ga 412

<210> 18
<211> 127
<212> PRT
<213> Homo sapiens

<400> 18
Met Arg Pro Ser Ile Gln Phe Leu Gly Leu Leu Leu Phe Trp Leu His
1 5 10 15

Gly Ala Gln Cys Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
20 25 30

Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Asp Gln Asp
35 40 45

Ile Asn Lys Tyr Ile Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
50 55 60

Lys Leu Leu Leu His His Thr Ser Thr Leu Gln Pro Gly Ile Pro Ser
65 70 75 80

Arg Phe Ser Gly Ser Gly Ser Gly Arg Asp Tyr Thr Phe Thr Ile Ser
85 90 95

Ser Leu Gln Pro Glu Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp
100 105 110

Ser Leu Leu Phe Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
115 120 125

<210> 19
<211> 446
<212> DNA
<213> Homo sapiens

<400> 19
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tccaatgtga ggtccagttg gtgcagtctg gagctgaggt gaagaagcct ggagcgacag 120
tcaagatctc ctgcaaagtg tctgggtata ccttcacaga ctattcaatg cactgggtta 180
ggcaggctcc aggaaagggt ctaaagtgga tgggctggat aaacactgag attggtgagc 240
caacatatgc agatgacttc aagggacggt ttaccttcac tttggacacc tctaccagca 300
ctgcctatat ggagctcagc agcctccgaa gtgaggacac ggctgtatat tactgtgcta 360
gaaactatga ttacgatgcg tacttcgatg tctggggcca agggaccaca gtcaccgtct 420
cctcaggtaa gaatggccac tctaga 446

<210> 20
<211> 138
<212> PRT
<213> Homo sapiens

<400> 20
Met Asp Ser Arg Leu Asn Leu Val Phe Leu Val Leu Ile Leu Lys Gly
1 5 10 15

Val Gln Cys Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys
20 25 30

Pro Gly Ala Thr Val Lys Ile Ser Cys Lys Val Ser Gly Tyr Thr Phe
35 40 45

Thr Asp Tyr Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Lys Trp Met Gly Trp Ile Asn Thr Glu Ile Gly Glu Pro Thr Tyr Ala
65 70 75 80

Asp Asp Phe Lys Gly Arg Phe Thr Phe Thr Leu Asp Thr Ser Thr Ser
85 90 95

Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Arg Asn Tyr Asp Tyr Asp Ala Tyr Phe Asp Val Trp
115 120 125

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
130 135

<210> 21

<211> 75

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 21

tataacgcgt ccaccatgga ctcgagggtg aacttggtat tcttggtgct aattctcaaa 60

ggtgtccaat gtgag 75

<210> 22

<211> 72

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 22

gactgtcgct ccaggcttct tcacctcagc tccagactgc accaactgga cctcacattg 60

gacacctttg ag 72

<210> 23

<211> 74

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 23

agaagcctgg agcgacagtc aagatctcct gcaaagtgtc tgggtatacc ttcacagact 60

attcaatgca ctgg 74

<210> 24
 <211> 72
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 24
 gtgtttatcc agcccatcca ctttagaccc tttcctggag cctgcctaac ccagtgcatt 60
 gaatagtctg tg 72

<210> 25
 <211> 74
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 25
 tggatgggct ggataaacac tgagattggt gagccaacat atgcagatga cttcaaggga 60
 cggtttacct tcac 74

<210> 26
 <211> 78
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

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 aaggtaaacc gtccttg 78

<210> 27
 <211> 78
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 27
 cagcagcctc cgaagtgagg acacggctgt atattactgt gctagaaact atgattacga 60
 tgcgtacttc gatgtctg 78

<210> 28
 <211> 77
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 28
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 catcgaagta cgcacgcg 77

<210> 29
 <211> 24
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 29
 tataacgcgt ccaccatgga ctgc 24

<210> 30
 <211> 24
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 30
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<210> 31
 <211> 72
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 31
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 catgggtgctc ag 72

<210> 32
 <211> 75
 <212> DNA
 <213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 32

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ccatgaagcc agaac 75

<210> 33

<211> 71

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 33

ctgtctgcat ctgtgggaga cagagtcacc atcacttgca aggagacca agacattaac 60

aagtatatag c 71

<210> 34

<211> 72

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 34

tgatgtagga gcagcttagg agcctttcca ggcttctggt ggtaccaagc tatatacttg 60

ttaatgtctt gg 72

<210> 35

<211> 68

<212> DNA

<213> Artificial sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 35

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